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The Royal Society of London

PHILOSOPHICAL TRANSACTIONS

Volume 25 1706-1707

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The Royal Society of London

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CORPORATION

NEW YORK 1963

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PHILOSOPHICAL TRANSACTIONS

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PHILOSOPHICAL TRANSACTIONS.

Giving some

ACCOUNT

OF THE

Present Undertakings, Studies and Labours

OF THE

INGENIOUS,

In many

Considerable Parts of the World.

VO L. XXV. For the Years 1706 and 1707.

LONDON,

Printed for B. Walford, Printer to the Royal Society, at the Prince's-Arms in St. Paul's Church yard.

MDCC VIII.

TO HIS ROYAL HIGHNESS

THE

PRINCE,

This Twenty Fifth Volume

OF

Philosophical Transactions

Is most humbly Dedicated,

B Y

His Most Dutiful,

AND

Most Obedient Servant,

HANS SLOANE,
Soc. Reg. Secr.

(Numb. 305).

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k. A Letter from Mr Ralph Thoresby, F. R. S. to Dr Hans Sloane, R. S. Secr. concerning some Roman Inscriptions found at York, proving that the Ninth Legion sometime resided there.

II. De Quadrupedibus Philippensibus Tractat. a Reverendo Georg. Jos. Camel. transmissus Jacobo Petiver, Pharma-

cop. & Societ. Regia Soc. Londini.

MI. Microscopical Observations on the Sceds of Several East-India Plants, by Mr Authony van Leeuwenhoek, F. R. S.

IV. A Letter from the Reverend Mr Morton, A. M. and S. R. S. to Dr Hans Sloane, S. R. Secr. Containing a Relation of River and other Shells digg'd up, together with various Vegetable Bodies, in a Bituminous Marshy Barth, near Mears-Ashby in Northamptonshire: With some Research thereupon: As also an Account of the Progress he has made in the Natural History of Northamptonshire.

V. An account of a very large Tumour in the fore-part of the-Neck, in which was contain'd a Bony Substance, &c. By

Dr James Douglas.

VI. Part of a Letter from the Reverend Mr W. Derham; F. R. S. concerning a Glade of Light observed in the Heavens.

VII. An Account of an Experiment made before the Royal Society, touching the Proportion of the Weight of Air, to the Weight of a like Bulk of Water, without knowing the quantity of either. By Mr Fra. Hauksbee, F. R. S.

VIII. An Experiment made at Gresham College, shewing that the seemingly spontaneous Ascension of Water, in small subcs open at both ends, is the same in Vacuo as in the open Air.

By Mr Fr. Hauksbee, F. R. S.

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11. A Letter from Dr John Harwood, LL. D. and F. R. S. to Dr Hans Sloane, R. S. Secr. concerning the forementioned Hypocaultum. With Part of two Letters from Mr William Baxter to Dr Harwood, relating

to Wroxeter, and the Hypocausta of the Ancients.

III. A Letter from Dr William Musgrave, Fellow of the College of Physicians, and R. S. to Dr Hans Sloane, R. S. Secr. concerning the Jaundice, occasioned by a Stone obstructing the Ductus communis bilarius, which was afterwards voided by Stool.

IV. Part of a Letter from Mr Ralph Thoresby F. R. S. giving a farther

Account of an Eruption of Waters in Craven.

V. Observations of the Solar Eclipse May 1-12. 1706. A. the Royal Observatory at Greenwich, &c. communicated by the Reverend Mr John

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VI. An Abstract of a Letter written from Geneva, May the 31st, 1706. N.S. by Monsieur J. Chr. Facio Duillier, R. S. S. to his Brother Mr. Nic. Facio, R. S. S. Containing some Observations of the Sun's Eclipse, on the 12th of May, 1706. N.S.

VII. Pars Epistola a Cl. D. Joh. Jac. Scheuchzer, M. D. Tigur. & Societas. Reg. Lond. Soc. ad D. Jacobum Petiver, dicta Societ Soc. de Eclipse

Solis totali Die 12 Maij Tiguri observata.

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IX. The Construction and Properties of a new Quadratrix to the Hyperbola, by Mr. . . Perks. Communicated by Mr Abr. de Moivre, F. R. S.

An Account of a Book entituled,

X. Samuelis Dale Pharmacologia seu Manudullionis ad Materiam Medicam Supplementum: Medicamenta Officinalia simplicia priore Libro of missa complettens: Ut & Notas Generum Characheristicas, Specierum Synonyma, Differentias & Vires. Cum duplici Indice, generali altero Nominum & Synonymorum pracipuorum, altero Anglico-Latino, in gratiam Tyronum.

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II. An Account of an Experiment made before the Royal Society at Gresham College, together with a Repetition of the same, touching the Production of a Considerable Light upon a slight Attrition of the Hands on a Glass Globe Exhausted of its Air: With other Remarkable Occurrences. By Mr Fra. Hauksbee, F. R. S.

III. A Letter from Mr Samuel Dale to Dr Hans Sloane, R.S. Secr. giving an Account of what Manuscripts were left by the Reverend Mr John Ray, together with some Anatomical Observations made at Padua by the said Mr Ray.

IV. Of Hydatides inclosed with a Stony Crust in the Kidny of a Sheep. By Mr W. Cowper,

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V. Microscopical Observations on the Structure of the Spleen, and the Proboscis of a Flea. By Mr Anthony Van Leeuwenhoek, F. R. S.

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II. An Account of a Hydrops Ovarii, with a new and exact Figure of the Glandulæ Renales, and of the Uterus in a Puerpera. Communicated by Dr Douglas, F. R. S.

- III. An Account of an Experiment made before the Royal Society at Gresham-Colledge, touching the Extraordinary Electricity of Glass, produceable on a smart Attrition of it; with a Continuation of Experiments on the same Subject, and other Phænomena. By Mr Fr. Hauksbee, F. R. S.
- IV. Vindiciæ Matheseos Universalis Gregorianæ contra secundos Abbatis Galloysii impetus in Historia Acad. Scient. An. MDCCIII.
- V. An Account of a Storm of Rain that fell at Denbigh in Wales: Communicated to Dr Hans Sloane, R. S. Secr.
- VI. An Observation of a Tumor on the Neck, full of Hydatides, cured by Mr Anthony Hewnden, Surgeon: Communicated by Dr Edw. Tyson, F. R. S.

VII. Part of a Letter from Mr Robert Taylor, to Dr Hans Sloane, R. S. Secr. concerning a Monstrons Birth.

VIII. An Account of Dr Ehm's Treatise of St George's Bath by Landeck, in the Lordship of Glass near Silesia.

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II. Æquationum Cubicarum & Biquadraticarum, tum Analytica, tum Geometrica & Mechanica, Resolutio

Universalis, à J. Colson.

III. Æquationum quarundam Potestatis tertiæ, quintæ, septimæ, nonæ, & superiorum, ad institum usque pergendo, in terminis sinitis, ad instar Regularum pro Cubicis quæ vocantur Cardani, Resolutio Analytica. Per Abr. De Moivre, R. S. S.

IV. Several Experiments shewing the strange Effects of the Effluvia of Glass, producible on the Motion and Attri-

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V. Tabula exhibens Cæli tempestates, & mutationes, ter unoquoque die: Item Plagam Ventorum, & Nubium 3 Altitudinem Mercurii in Barometro, & Spirituum in Thermometro; & denique Pluviæ quantitatem, quæ quibusdam diebus, & unoquoque Mense, per Infundibulum 12 pollices latum, apud Upminster in Comitatu Essexiæ decidebat Anno 1705. Per W. Derham Rectorem Upminsterensem, & S. R. S.

VI. An Account of Balls of Hair taken from the Uterus and Ovaria of several Women; by Mr. James Yoneg, F.R.S.

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III. An Account of a Pyramidal Appearance in the Heavens, obferved near Upminster in Essex, by the Reverend Mr. Wil-

liam Derham, F.R.S.

IV. An Account of an Experiment, confirming one lately made, touching the Production of Light, by the Effluvia of one Glafs falling on another in Motion. By Mr. Fr. Hauksbee, F. R. S.

V. An Account of an Experiment made before the Royal Society at Gresham College, May 28. 1707. Touching the Difficulty of Separating two Hemispheres, upon the injecting of an Atmosphere of Air on their outward Surfaces, without withdrawing the included Air. By Mr. Fr. Hauksbee, F. R. S.

VI. Some Natural Observations made in the Parishes of Kinardsey and Donington in Shropshire, by the Reverend Mr. George Plaxton. Communicated by Mr. Kalph Thoresby, to Dr. Hans

· Sloane, R.S. Seer.

VII. An Account of the Cape of Good Hope, by Mr. John Maxwell. Communicated by the Reverend Dr. John Harris, F.R.S.

VIII. Epistola, in qua ratio redditur Libri nuper editi, cui Titulus, De Arthritide Anomala, sive Interna, Dissertatio. Auctore Guil. Musgrave, M. D. Coll. Med. Lond. & Reg. Societ. Socie.

IX. An Account of a Book, intituled, The Whole Art of Hus-

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II. An Account of an Experiment, touching the quantity of Air produced from a certain quantity of Gunpowder fired in common Air; by Mr

F. Hauksbee, F. R. S.

III. An Experiment shewing, that the Spring or Constituent Parts of Air are capable to Suffer Such disorder, by a violent impulse, as to require time to recover their Natural State; by Mr Fr. Hauksbee, F. R. S.

IV. Part of a Letter from Dr Archibald Adams of Norwich, to Dr Edward Tyson, Fellow of the College of Physicians and Royal Society; concerning a monstrous Calf, and some things observable in the Anatomy of a humane Ear.

V. An Extract of a Letter to his Excellency Signior Francisco Cornaro, Ambassador from the Republick of Venice to the Queen of Great Britain, Gc. By Anthony Van Leeuwenhoek, F. R. S. Containing Microscopical Observations on the Salts of Pearls, Offer shells, &c.

VI. Part of a Letter written to Signior Antonio Magliabechi, by Mr Anthony Van Leeuwenhoek, F. R. S. concerning the Particles of Silver dif-

solv'd in Agua Fortis, &c.

VII. An Account of a Book, entitled, A Voyage to the Islands of Madera Barbadoes, Nieves, St Christophers, and Jamaica; with the Natural History of the Herbs and Trees, four-footed Beasts, Fishes, Birds, Insects, Reptiles, &cc. of the last of those Islands. To which is perfixed an Introduction, wherein is an Account of the Inhabitants, Air, Waters, Diseases, Trade, &c. of that Place, and some Relations concerning the Neighbouring Continent and Islands of America. Illustrated with the Figures of the Things described, which have not been heretofore engraved, in large Copper Plates as big as the Life, By Hans Stoane, M. D. Fellow of the College of Physitians, and Secretary of the Royal Society. In two Volumes, in sol.

VIII. A Letter from Mr Wilhans Baxter, 10 Dr. Hans Sloanes, R. S., Seer. containing an Account of a Book intitled Archaeologia Britannica, giving some Account additional to what has been hitherto published of the Languages, Histories and Customs of the Original Inhabitants of Great Britain; from Collections and Observations in Travels through Wales, Bas Bretagnes, Ireland and Scotland. By Edward Lhuyd, M. A. of Jesus College, Keeper of the Ashmolean Museum in Oxford. Vol. I. Oxford Printed at the Theater for the Author, 1707. And delivered at the Ashmolean Museum.

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IV An Account of the Cure of two Sinuous Ulcers possessing the space of the whole Arm; with an Extraordinary Supply of a Callus which fully answers the Os Humeri lost in time of Cure. From Mr. John Fawler, Surgeon to the Sick and Wounded at Deal, to Dr. William Cockburn, F. R. S.

V. Part of a Letter from Richard Waller Efq, S. R. S. to Dr. Hans Sloane, R. S. Secr. Concerning two Deaf Perfons, who can speak and understand what is said to them by the Alo.

tion of the Lips.

VI. A Relation of a Deaf and Dumb Person, who recover'l his Speech and Hearing after a Violent Fever: With some other Medicinal and Chirurgical Observations. By Mr. Martin Martin.

VII. Observatio Eclipsis Lunaris peraeta Bostonij Nov. Anglorum, die quinto Aprilis vespere, A. D. 1707. à Tho-

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